

CLAIMS

1. A cleaning sheet comprising a fiber aggregate formed by hydroentangling a fiber web, the fiber aggregate having less entangled part having a low degree of fiber entanglement and highly entangled part having a higher degree of fiber entanglement than the less entangled part, the less entangled part being surrounded by the highly entangled part.

5 2. The cleaning sheet according to claim 1, wherein the total area of the less entangled parts is 80% to 98% of the area of the cleaning sheet.

10 3. The cleaning sheet according to claim 1 or 2, wherein the individual less entangled parts have an area of 20 to 10000 mm².

4. The cleaning sheet according to any one of claims 1 to 3, wherein the less entangled part has a coefficient of fiber entanglement of 0.05 to 0.8 N·m/g, and the highly entangled part has a coefficient of fiber entanglement of 0.81 to 3.0 N·m/g.

15 5. The cleaning sheet according to any one of claims 1 to 4, wherein the less entangled part has a fiber shedding value of 3 to 30, and the highly entangled part has a fiber shedding value of 0 to less than 3.

6. The cleaning sheet according to any one of claims 1 to 5, wherein the fiber aggregate contains fibers having a length of 30 to 70 mm.

20 7. A process of producing a cleaning sheet set forth in claim 1, the process comprising the steps of :

hydroentangling a fiber web to form a less entangled fiber aggregate having a low degree of fiber entanglement and

25 further hydroentangling the less entangled fiber aggregate to form a highly entangled part having a higher degree of fiber entanglement than the less entangled fiber aggregate and having a closed shape.

8. The process of producing a cleaning sheet according to claim 7, wherein the

formation of the highly entangled part is carried out by directing high pressure water streams jetted from a large number of jet nozzles arranged in a nozzle head to the less entangled fiber aggregate while the less entangled fiber aggregate is moving in one direction, the jet nozzles being aligned in the direction perpendicular to the moving direction of the fiber aggregate, and the nozzle head reciprocating in the direction perpendicular to the moving direction of the fiber aggregate.